

Title (en)

FUEL INJECTION SYSTEM HAVING A FUEL-CONDUCTING COMPONENT, A FUEL INJECTION VALVE AND A CONNECTION ELEMENT

Title (de)

BRENNSTOFFEINSPRITZANLAGE MIT EINER BRENNSTOFF FÜHRENDEN KOMPONENTE, EINEM BRENNSTOFFEINSPRITZVENTIL UND EINEM VERBINDUNGSELEMENT

Title (fr)

SYSTÈME D'INJECTION DE CARBURANT COMPORTANT UN COMPOSANT ACHEMINANT LE CARBURANT, UNE SOUPEPE D'INJECTION DE CARBURANT ET UN ÉLÉMENT DE LIAISON

Publication

EP 2946105 B1 20170315 (DE)

Application

EP 14700476 A 20140114

Priority

- DE 102013200728 A 20130118
- EP 2014050561 W 20140114

Abstract (en)

[origin: WO2014111367A1] A connection element (2) for fuel injection systems (1) is used to connect a fuel injection valve to a fuel-conducting component. A main body (4) having a receiving space (15), into which a fuel connecting piece (3) of the fuel injection valve can be introduced, and a fastening element (5) are provided. At least one cut-out (17-20) is made in a wall (21) of the main body (4) that surrounds the receiving space (15), the fastening element (5) being introduced at least partially through the cut-out (17-20) into the receiving space (15) to fasten the fuel connecting piece (3) to the main body (4). At least one elastic bearing element (27-30; 27') is also provided, the fastening element (5) that is introduced partially through the cut-out (17-20) into the receiving space (15) being supported on the wall (21) of the main body (4) by means of the elastic bearing element (27-30; 27'). A fuel injection system (1) having a connection element (2) of this type is also specified.

IPC 8 full level

F02M 63/00 (2006.01); **F02M 55/00** (2006.01); **F02M 55/02** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP US)

F02M 55/004 (2013.01 - US); **F02M 55/025** (2013.01 - US); **F02M 61/14** (2013.01 - EP US); **F02M 63/0012** (2013.01 - US); **F16L 21/08** (2013.01 - US); **F16L 37/1225** (2013.01 - US); **F02M 2200/09** (2013.01 - EP US); **F02M 2200/8023** (2013.01 - EP US); **F02M 2200/803** (2013.01 - EP US); **F02M 2200/853** (2013.01 - EP US); **F02M 2200/855** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014111367 A1 20140724; DE 102013200728 A1 20140724; EP 2946105 A1 20151125; EP 2946105 B1 20170315; JP 2016504525 A 20160212; JP 6134007 B2 20170524; US 2016025053 A1 20160128; US 9797355 B2 20171024

DOCDB simple family (application)

EP 2014050561 W 20140114; DE 102013200728 A 20130118; EP 14700476 A 20140114; JP 2015552087 A 20140114; US 201414761354 A 20140114